



CBRT - 2020 Question Paper Grid

Government of Goa

22 November 2020

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Junior Scale Officer(Prescreening Test)

Passage:

Answer the following questions based on the passage:

We are flying blind into a highly unknown future. The changes are going to affect every human being and every ecosystem on the face of the earth and we have only a glimmer of what these changes will be. The atmosphere is supposed to do two things for us: maintain a constant climate of oxygen, nitrogen and water vapour, and help maintain the radiation balance-for example by keeping out excessive ultraviolet. The unthinkable is that we are distorting this atmospheric balance. We are shifting the chemical balance so that we have more poisons in the atmosphere-ozone and acid rain on the ground level-while we are also changing the thermal climate of the earth through the greenhouse effect-and get this - simultaneously causing the destruction of our primary filter of ultraviolet light. It is incredible.

Itemcode : PT1471

Q1 : The shift in chemical balance and the change in thermal climate are seen as the greatest threat to

- (a) the human beings
- (b) the ecosystems
- (c) the atmospheric balance
- (d) a constant climate

Itemcode : PT1472

Q2 : Identify from the options given below, the term used in the passage to mean "a community or group of living organisms who live and interact with each other".

- (a) atmosphere
- (b) ecosystem
- (c) earth
- (d) climate

Itemcode : PT1473

Q3 : The role of the atmosphere is mainly to help in

- (a) maintaining chemical and radiation balances
- (b) enhancing the greenhouse effect
- (c) altering the thermal climate
- (d) none of the above

Itemcode : PT1474

Q4 : The meaning of the word "incredible" as used in the passage is

- (a) impossible
- (b) very difficult to believe
- (c) extremely good
- (d) all these

Itemcode : PT1475

Q5 : From the options provided below, identify the word or expression in the passage that implies venturing forth unmindfully.

- (a) thermal
- (b) distorting
- (c) causing destruction
- (d) flying blindly

Passage:

Answer the following questions based on the passage:

Like all real artists the short story writer holds up the mirror to Nature in all its complexity and diversity. Nothing is too small or too big for the writer's pen but all is grist to his mill. All that is expected of a good story is that it should read well, hold the attention of the reader and leave a satisfying feeling at the end..Some of the finest short stories in English are written by American, English and Indian authors. O'Henry's 'The Robe of Peace' is a moving story in a deceptively casual style, about the transformation of a young American dandy into a serene monk who has achieved peace. 'The Miracle of Puran Bhagat' is one of Rudyard Kipling's masterpieces which tells the story of an English-educated Dewan of a Princely state of North India, who renounces power and pelf to become a Bhagat and who saves a whole village from a Himalayan landslide before he himself breathes his last.

Itemcode : PT1476

Q6 : Select from the passage the word or expression that implies something that can be used to advantage for one's purpose.

- (a) masterpiece
- (b) satisfying
- (c) grist
- (d) pelf

Itemcode : **PT1477**

Q7 : From the options provided below, identify the implied meaning of the phrase "deceptively casual" as mentioned in the passage

- (a) faked accidental
- (b) misleadingly informal
- (c) falsely unrestrained
- (d) mock natural

Itemcode : **PT1478**

Q8 : Identify the antonyms of "complexity and diversity" respectively, from the options given below:

- (a) simplicity and uniformity
- (b) similar and homogenous
- (c) simulated and identity
- (d) straight forwardness and consonance

Itemcode : **PT1479**

Q9 : "All that is expected of a good story is that it should read well, hold the attention of the reader and leave a satisfying feeling at the end."

Read the above statement carefully and identify from the options given below, the traits that are closely described in it.

- (a) readable, enthralling, charming
- (b) expectant, exhilarating, thrilling
- (c) engaging, captivating, enjoyable
- (d) legible, attentive, funny

Itemcode : **PT1480**

Q10 Identify from the options provided below, the implied meaning of the phrase "holds up the mirror to Nature in all its complexity and diversity" as it is used in the passage

- (a) gives a verbatim picture of Nature at all times
- (b) faithfully resembles Nature's vagaries
- (c) represents Nature's complication
- (d) emulates nature in its intricate variety

Itemcode : **PT1421**

Q11 The following question presents a related pair of words linked by a colon, four pairs of words follow the linked pair. Choose the pair of words whose relationship is most like the relationship expressed in the original linked pair.

Spade : dig

- (a) Child : stubborn
- (b) Cloud : snow
- (c) Brake : car
- (d) Spoon : eat

Itemcode : **PT1422**

Q12 RT : QU :: VX : ?

- (a) WY
- (b) TW
- (c) YW
- (d) UY

Itemcode : **PT1423**

Q13 Here are some words transformed from an artificial language.

:
plekapaki means fruitcake
pakishillen means cakewalk
treftalan means buttercup
Which word could mean "buttercake"?

- (a) shillanalan
- (b) treftpaki
- (c) pakitreft
- (d) alanpaki

Itemcode : **PT1424**

Q14 In a certain code, MENTION is written as LNEITNO. How is PATTERN written in that code ?

:

- (a) ATAETNR
- (b) OTAETNR

- (c) OTAESNR
(d) STAETNR

Itemcode : **PT1425**

Q15 Which word does NOT belong with the others?
:

- (a) excite
(b) flourish
(c) prosper
(d) thrive

Itemcode : **PT1426**

Q16 Look at this series: 12, 11, 13, 12, 14, 13, ... What number should come next?
:

- (a) 10
(b) 16
(c) 13
(d) 15

Itemcode : **PT1427**

Q17 In the following number series given, one particular number is wrong. Find out that wrong number in series.
: 2, 3, 14, 67, 340, 1825, 11166

- (a) 3
(b) 885
(c) 67
(d) 172

Itemcode : **PT1428**

Q18 2, 3, 8, 63, ?
:

- (a) 3900
(b) 3636
(c) 3968
(d) None of the above

Itemcode : **PT1429**

Q19 In this series: 201, 202, 204, 207, ... What number should come next?
:

- (a) 205
(b) 208
(c) 210
(d) 211

Itemcode : **PT1430**

Q20 A train which travels at a uniform speed due to some mechanical fault after traveling for an hour goes at $\frac{3}{5}$ th of the original speed and reaches the destination 2 hrs late. If the fault had occurred after traveling another 50 miles the train would have reached 40 min earlier. What is distance between the two stations.

- (a) 300
(b) 310
(c) 320
(d) 305

Itemcode : **PT1431**

Q21 $x\%$ of y is $y\%$ of ?
:

- (a) $\frac{x}{y}$
(b) $2y$
(c) x
(d) can't be determined

Itemcode : **PT1432**

Q22 The population of a town was 1,60,000 three years ago. If it increased by 3%, 2.5% and 5% respectively in the last three years, then the present population of the town is :

- (a) 1,77,000
(b) 1,77,366
(c) 1,77,461
(d) 1,77,596

Itemcode : **PT1433**

Q23 500 men are arranged in an array of 10 rows and 50 columns according to their heights. Tallest among each row of all are asked to fall out. And the shortest among them is A. Similarly after resuming that to their original positions that the shortest among each column are asked to fall out. And the tallest among them is B. Now who is taller among A and B ?

- (a) A
(b) B

- (c) Both are of same height
(d) None of the above

Itemcode : **PT1434**

Q24 Superheroes Lina and Tanmay leave the same camp and run in opposite directions. Lina runs 1 mile per second (mps) and Tanmay runs 2 mps. How far apart are they in miles after 1 hour?

- (a) 10800 mile
(b) 19008 mile
(c) 12300 mile
(d) 14000 mile

Itemcode : **PT1435**

Q25 $(\frac{1}{10})^{18} - (\frac{1}{10})^{20} = ?$

- (a) $\frac{99}{1020}$
(b) $\frac{99}{10}$
(c) 0.9
(d) none of these

Itemcode : **PT1436**

Q26 A girl counted in the following way on the fingers of her left hand : She started by calling the thumb 1, the index finger 2, middle finger 3, ring finger 4, little finger 5 and then reversed direction calling the ring finger 6, middle finger 7 and so on. She counted upto 1994. She ended counting on which finger ?

- (a) Thumb
(b) Index finger
(c) Middle finger
(d) Ring finger

Itemcode : **PT1437**

Q27 A man wears socks of two colours - Black and brown. He has altogether 20 black socks and 20 brown socks in a drawer. Supposing he has to take out the socks in the dark, how many must he take out to be sure that he has a matching pair ?

- (a) 3
(b) 20
(c) 39
(d) None of these

Itemcode : **PT1438**

Q28 A test has 30 questions; each correct answer is awarded 4 marks; every wrong answer carries a penalty of 1 mark and no marks for an unattempted question. A group of friends took the test. If all of them scored exactly 5 marks, but each of them attempted a different number of questions, what is the maximum number of people who could be in the group?

- (a) 3
(b) 4
(c) 5
(d) 6

Itemcode : **PT1439**

Q29 Answer the question on the basis of the information given below.

The question consists of two statements, labeled I and II, which contain certain data. By using these data decide whether the data given is sufficient to answer the question and then indicate one of the following choices as your answer.

Average age of four persons A, B, C, and D is 46 years. Who is the oldest among them?

I. C is 91-year-old.

II. Ages (in years) of all of them are distinct natural numbers.

- (a) Statement I alone is sufficient, but statement II alone is not sufficient and vice-versa.
(b) Either of the statements alone is sufficient.
(c) Statements I and II together are sufficient.
(d) Statements I and II together are not sufficient.

Itemcode : **PT1440**

Q30 If A \$ B means "A is the father of B", A # B means 'A is the daughter of B', A @ B means 'A is the sister of B', then how is K related to M in H @ K \$ L # M?

- (a) Husband
(b) Uncle
(c) Father
(d) Cannot be determined

Itemcode : **PT1441**

Q31 Raju is a person of bad character. Therefore, his argument should not be accepted.

This argument is an example for:

- (a) Ad hominem
(b) Ad ignorantiam
(c) Ad misericordiam
(d) Ad populum

Itemcode : **PT1442**

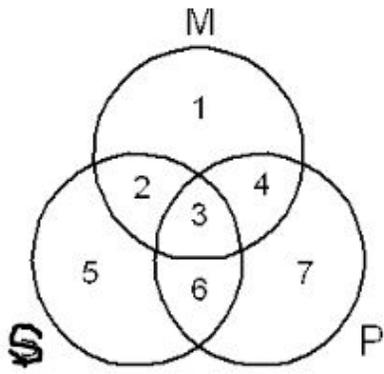
Q32 Four alternative summaries are given below the passage. Choose the option that best captures the essence of the text.

The more prevalent view of language, at least since the scientific revolution and still assumed in some manner by most linguists today, considers any language to be a set of arbitrary but conventionally agreed upon words or signs, linked by a purely formal system of syntactic and grammatical rules. Language, in this view, is rather like a code; it is a way of representing actual things and events in the perceived world, but it has no internal, no arbitrary connections to that world, and hence is readily separable from it.

- (a) That language is a set of rules is an assumption.
 (b) By attending solely to the denotative and conventional aspect of verbal communication, we can hold ourselves apart from, and outside of the rest of animate nature.
 (c) Language is a set of rules and codes which represents the world.
 (d) Language represents the world but is separable from it.

Itemcode : **PT1443**

Q33 If the given information is true then what needs to be added to infer a true conclusion from the Venn diagram with three classes- SPM? 1= 0, 2= 0, 5=0



- (a) 7 = 0
 (b) 6 = 0
 (c) 4 = 0
 (d) 3 = 0

Itemcode : **PT1444**

Q34 The 'M' state government has decided hence forth to award the road construction contracts through open tenders only.
 Courses of action:

- I. The 'M' state will not be able to get the work done swiftly as it will have to go through tender and other procedures.
 II. Hence forth the quality of roads constructed may be far better.

- (a) If only I follows
 (b) If only II follows
 (c) If either I or II follows
 (d) If neither I nor II follows

Itemcode : **PT1445**

Q35 Statement : $P \geq N > M < N \leq L$

- Conclusion:
 I. $L > M$
 II. $L > N$
 III. $M < P$
 IV. $N > P$

- (a) Only I is true
 (b) Only II is true
 (c) Only I and II are true
 (d) Only I and III are true

Itemcode : **PT1446**

Q36 Statements:

- a. Only a few kites are slates.
 b. Only a few bites are slates.
 Conclusions:

- (a) Some kites are bites.
 (b) Some kites are not bites.
 (c) All bites being kites is not a possibility.
 (d) No kite is a bite is a possibility.

Itemcode : **PT1447**

Q37 The question given below has two statements and two conclusions. Assuming the statements to be true, check which conclusions logically follow and mark the appropriate choice.

- Statement 1: All books are pens.
 Statement 2: No books are newspaper.
 Conclusion 1: Some pens are books
 Conclusion 2: Some newspaper is not a book

- (a) Only Conclusion 1 follows
 (b) Only Conclusion 2 follows

- (c) Both Conclusion 1 and Conclusion 2 follows
 (d) Neither Conclusions follow

Itemcode : **PT1448**

Q38 If I study hard, I will pass the examination. I have passed the examination. Therefore, I have studied hard. This argument is:

- (a) Valid because if the consequent is true then the antecedent must be true.
 (b) Invalid because the conclusion does not follow.
 (c) Invalid because the antecedent is not true.
 (d) Valid because the conclusion follows conclusively.

Itemcode : **PT1449**

Q39 Given the categorical proposition "All mail order brides are women who face risky futures." If the quality but not the quantity is changed, the resulting proposition is:

- (a) All mail order brides are not women who face risky futures.
 (b) Some mail order brides are not women who face risky futures.
 (c) Some mail order brides are women who face risky futures.
 (d) No mail order brides are women who face risky futures.

Itemcode : **PT1450**

Q40 A hosteler frequently complains to the hostel warden that her room is poorly lighted. The best action for the hostel warden to follow is to

- (a) Ignore the complaints because they come from a habitual crank.
 (b) Inform the worker that illumination is a fixed item built into the building originally and evidently is the result of faulty planning by the architect.
 (c) Request a licensed electrician to install additional ceiling lights.
 (d) Investigate for faulty illumination features in the room, such as dirty lamp globes and incorrect lamp wattage.

Itemcode : **PT1451**

Q41 Statement: Should new big Auto mobiles industries be started in Gurgaon?

Arguments:
 I. Yes. It will create job opportunities.
 II. No. It will further add to the pollution of the city.

- (a) Only argument I is strong
 (b) Only argument II is strong
 (c) Either I or II is strong
 (d) Neither I nor II is strong

Itemcode : **PT1452**

Q42 Questions below is based on the following passage:

Ross: The profitability of company X, restored to private ownership five years ago, is clear evidence that businesses will always fare better under private than under public ownership.
 Julia: Wrong. A close look at the records shows that X has been profitable since the appointment of a first-class manager, which happened while X was still in the public sector.

Which of the following best describes the weak point in Ross's claim on which Julia's response focuses?

- (a) The evidence Ross cites comes from only a single observed case, that of Company X.
 (b) The profitability of Company X might be only temporary.
 (c) Ross's statement leaves open the possibility that the cause he cites came after the effect he attributes to it.
 (d) None of the above

Itemcode : **PT1453**

Q43 Questions below is based on the following passage:

Some archaeologists hypothesized that Irish monks were the first Europeans to reach North America, roughly 100 years before the Vikings. The Irish monks, it is believed, crossed the Atlantic in boats constructed primarily of leather, in order to find isolation and solitude, and some of them might have settled with the Native Americans. Unfortunately, no physical evidence has been found to support this theory.

Which of the following, if true, best supports the hypothesis of these archaeologists, taking into account the paucity of physical evidence?

- (a) Archaeologists now believe that the Vikings went to North America 50 years earlier than what people thought previously.
 (b) Viking longboats were much faster and sturdier than Irish leather-bound boats.
 (c) Leather tends to rot after only a couple of decades.
 (d) Anthropologists have found no evidence of any Irish words or expressions in the languages of modern-day North America.

Itemcode : **PT1454**

Q44 The question has three statements followed by two conclusions I and II. You have to take the three given statements to be true and then decide which of the given conclusions logically follows from the three given statements, disregarding the commonly known facts.

Statements:

Some waste is white

Some white is water

Some water is waste

Conclusions:

- I. Some waste which is white is water
- II. Some water is neither waste nor white

Give answer:

- (a) If only conclusion I follows
- (b) If only conclusion II follows
- (c) If either conclusion I or II follows
- (d) If neither conclusion I or II follows

Itemcode : **PT1455**

Q45 In the question, a part of the sentence has been underlined. From the choices given to you, you are required to choose the one which would best replace the underlined part.
Migrants have been attempting to scale on or break through the perimeter fencing around the terminal to jump aboard lorries bound for the UK.

- (a) attempting to scale on or break through the perimeter fencing
- (b) attempting to scale or break through the perimeter fencing
- (c) attempted to scaled or break in through the perimeter fencing
- (d) attempted to scale up or break in the perimeter fencing

Itemcode : **PT1456**

Q46 Karan and Arjun run a 100-meter race, where Karan beats Arjun 10 metres. To do a favour to Arjun, starts 10 metres behind the starting line in a second 100 metre race. They both run at their earlier speeds. Which of the following is true in connection with the second race?

- (a) Karan and Arjun reach the finishing line simultaneously.
- (b) Arjun beats Karan by 1 metre
- (c) Arjun beats Karan by 11 metres.
- (d) Karan beats Arjun by 1 metre.

Itemcode : **PT1457**

Q47 Five sentences are given. Each sentence has a pair of words that are italicized. From the italicized words, select the most appropriate words (1 or 2) to form correct sentences. The sentences are followed by options that indicate the words, which may be selected to correctly complete the set of sentences. From the options given, choose the most appropriate one.

Five sentences are as follows:

- I. The architects spoke of a three-story tower, with bedrooms and a bird-watching *aerie (1) / airy (2)* on the third floor.
- II. Gun battles in the capital do not *auger (1) / augur (2)* well for the next round of voting.
- III. The unprecedented commotion has certainly *piqued (1) / peaked (2)* my interest in the activity going on in the square
- IV. All of the landing party were left behind, the *basis (1) / bases (2)* remaining where they touched down.
- V. But immediately perceiving that he had discovered his vision, he *besot (1) / besought (2)* them not to disclose it to any one.

- (a) 12122
- (b) 22212
- (c) 11222
- (d) 22122

Itemcode : **PT1458**

Q48 Five sentences are given. Each sentence has a pair of words that are italicized. From the italicized words, select the most appropriate words (1 or 2) to form correct sentences. The sentences are followed by options that indicate the words, which may be selected to correctly complete the set of sentences. From the options given, choose the most appropriate one.

The five sentences are as follows:

- I. They have employed skilled craftsmen to *hew (1) / hue (2)* the stones to build the wall.
- II. Close friend of Prime Minister John Howard will get the job as Australia's chief *censer (1) / censor (2)* at the expense of a recommended candidate.
- III. The Bhonsla raja forfeited Orissa to the English, who had already occupied it with a flying column, and Berar to the nizam, who gained a fresh addition by every act of *complaisance (1) / complacence (2)* to the British government.
- IV. But at first the Roman citizen wore only an iron *cygnet (1) / signet (2)* ring, and this continued to be used at marriages.
- V. Finally there is a vertical stone slab *stile (1) / style (2)* in the southwest.

- (a) 22112
- (b) 11222
- (c) 12121
- (d) 22211

Itemcode : **PT1459**

Q49 A sum of Rs. 427 is to be divided among A, B and C in such a way that 3 times A's share, 4 times B's share and 7 times C's share are all equal. The share of C is

- (a) Rs.84
- (b) Rs.76
- (c) Rs.98
- (d) RS.34

Itemcode : **PT1463**

Q50 Given the following table,
:

Occurrence	Possible Conditions						Phenomenon
	A	B	C	D	E	F	
1	*	—	*	—	*	*	*
2	*	*	—	*	—	*	—
3	—	*	*	—	*	*	*
4	—	*	—	*	*	—	*
5	*	—	*	—	—	*	—
6	—	*	*	*	—	—	—

What cause is suggested by the information in the Table?

- (a) D is a sufficient but not a necessary condition for the phenomenon.
 (b) A is a sufficient and necessary condition for the phenomenon.
 (c) F is a necessary but not a sufficient condition for the phenomenon.
 (d) E is a sufficient and necessary condition for the phenomenon

Itemcode : **PT1464**

Q51 The following question presents a related pair of words linked by a colon, four pairs of words follow the linked pair.
: Choose the pair of words whose relationship is most like the relationship expressed in the original linked pair.
Cat : Kitten

- (a) Lake : water
 (b) Boy : man
 (c) Hat : scarf
 (d) Horse: foal

Itemcode : **PT1465**

Q52 Some people feel that the rise in price of coffee beans last year meant some users switched from drinking coffee to tea.
: Now tea leaves are in short supply due to rising demand. The prices of coffee beans and tea leaves are now equal.

Which of the following can be safely inferred from the passage?

- (a) Consumption of tea leaves has been high the world over in the past year.
 (b) Consumption of coffee will now start increasing again.
 (c) Surplus stocks of tea have been consumed to some extent in the last year.
 (d) Tea growers made huge profits due to high costs of coffee.

Itemcode : **PT1466**

Q53 Here are some words translated from an artificial language:
: gorbflur means fan belt
pixngorbl means ceiling fan
arthtusl means tile roof
Based on the above translation, which word could mean "ceiling tile"?

- (a) gorbtlusl
 (b) flurgorbl
 (c) arthflur
 (d) pixnarth

Itemcode : **PT1467**

Q54 Look carefully for the pattern, and then choose which pair of numbers comes next.
: 3 5 25 10 12 25 17

- (a) 22 35
 (b) 19 25
 (c) 22 24
 (d) 19 21

Itemcode : **PT1468**

Q55 Five sentences related to a topic are given below. Four of them can be put together to form a meaningful and coherent short paragraph. Identify the odd one out.

1. This ignores the evidence that major policy shifts over the past two decades have fundamentally altered the economic environment, making neoliberal reform a possible explanation and not a solution for the current mess.
2. They have veered around to the view that the true measure of economic success is the willingness of foreign firms to enter the country and establish a strong presence.
3. Confronted by signs of economic vulnerability, India's economic policy makers are blaming poor performance on inadequate reform.
4. Measures to appease and attract foreign capital are being advocated and announced as a solution to the country's problems.
5. A recent example of such evidence is the just-released preliminary results of the Reserve Bank of India's eighth Survey on Foreign Collaboration in Indian Industry.

- (a) 2
 (b) 3
 (c) 4
 (d) 5

Itemcode : **PT1469**

Q56 Find odd one out
: 582, 605, 588, 611, 634, 617, 600

- (a) 634
- (b) 611
- (c) 605
- (d) 600

Itemcode : **PT1470**

Q57 Answer the question on the basis of the information given below.

: The question consists of two statements, labeled I and II, which contain certain data. By using these data decide whether the data given is sufficient to answer the question and then indicate one of the following choices as your answer.

A shopkeeper sells two types of items A and B. Which item is costlier?

- I. He makes a% profit on item A and b% profit on item B and a total profit of Rs. 1,000, if their numbers are in the ratio 2 : 3.
- II. He makes a% profit on item A and b% profit on item B and a total profit of Rs. 1,500, if their numbers are in the ratio 3 : 2.

- (a) Statement I alone is sufficient, but statement II alone is not sufficient and vice-versa.
- (b) Either of the statements alone is sufficient.
- (c) Statements I and II together are sufficient.
- (d) Statements I and II together are not sufficient.

Passage:

Read the following information carefully and answer the questions given below.

A+B means A is the daughter of B.

A-B means A is the husband of B.

A*B means A is the brother of B.

Itemcode : **PT1460**

Q58 If $P+Q-R$, which of the following is true?
:

- (a) R is the mother of P
- (b) R is the sister in law of P
- (c) R is the aunt of P
- (d) None of these

Itemcode : **PT1461**

Q59 If $P*Q+R$, which of the following is true?
:

- (a) P is the brother of R
- (b) P is the uncle of R
- (c) P is the son of R
- (d) None of these

Itemcode : **PT1462**

Q60 If $P+Q*R$, which of the following is true?
:

- (a) P is the niece of R
- (b) P is the daughter of P
- (c) P is the cousin of R
- (d) P is the daughter in law of R